

832 Price/Sales Catalog

Status: Draft

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832 Price/Sales Catalog

Functional Group=SC

This Draft Standard for Trial Use contains the format and establishes the data contents of the Price/Sales Catalog Transaction Set (832) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to furnishing or requesting the price of goods or services in the form of a catalog.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Required
020	BCT	Beginning Segment for Price/Sales Catalog	M	1			Required
060	PER	Administrative Communications Contact	O	>1			Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - LIN					>1		
010	LIN	Item Identification	O	1			Used
015	G53	Maintenance Type	O	1		N2/015	Used
020	SLN	Subline Item Detail	O	100			Used
030	DTM	Date/Time Reference	O	10			Used
060	CTB	Restrictions/ Conditions	O	25			Used
070	PID	Product/Item Description	O	200			Used
100	PO4	Item Physical Details	O	1			Used
LOOP ID - CTP					100		
170	CTP	Pricing Information	O	1			Used
175	G40	Bracket Price	O	99			Used
180	DTM	Date/Time Reference	O	10			Used
200	CUR	Currency	O	5			Used
225	REF	Reference Identification	O	>1			Used
227	G43	Promotion/Price List Area	O	9999			Used
LOOP ID - N1					>1		
230	N1	Name	O	1			Used
240	N2	Additional Name Information	O	2			Not Rec'd
250	N3	Address Information	O	2			Not Rec'd
260	N4	Geographic Location	O	1			Not Rec'd

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	CTT	Transaction Totals	O	1		N3/010	Used
020	SE	Transaction Set Trailer	M	1			Used

Notes:

- 2/015 If BCT10 is used and G5301 is used, then the G5301 takes precedence.
- 3/010 Number of line items (CTT01) is the accumulation of the number of LIN segments. Hash total (CTT02) is not used in this transaction.

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Required

To indicate the start of a transaction set and to assign a control number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set	M	ID	3/3	Required
		Code Name 832 Price/Sales Catalog				
ST02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Required

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

BCT Beginning Segment for Price/Sales Catalog

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

User Option (Usage): Required

To indicate the beginning of the Price/Sales Catalog Transaction Set and specify catalog purpose and number information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BCT01	683	Catalog Purpose Code Description: Code indicating purpose of catalog	M	ID	2/2	Required
		Code Name RC Resale Catalog				
BCT02	684	Catalog Number Description: Identifying number for catalog or superseded catalog	O	AN	1/15	Used
BCT03	685	Catalog Version Number Description: Identifying version number of catalog or superseded catalog User: <i>The content is at the option of the submitter. After this is the date of submission in the format (MMDDYY).</i>	O	AN	1/15	Used
BCT04	686	Catalog Revision Number Description: Identifying revision number of catalog or superseded catalog	O	AN	1/6	Used
BCT10	353	Transaction Set Purpose Code Description: Code identifying purpose of transaction set	O	ID	2/2	Used
		Code Name 00 Original 01 Cancellation 02 Add 03 Delete 04 Change				

PER Administrative Communications Contact

Pos: 060	Max: >1
Heading - Optional	
Loop: N/A	Elements: 8

User Option (Usage): Used

To identify a person or office to whom administrative communications should be directed

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named Code Name RE Receiving Contact TM Transmitter Description: The firm, organization, or individual who transmits returns electronically to a taxing authority	M	ID	2/2	Required
PER02	93	Name Description: Free-form name	O	AN	1/60	Used
PER03	365	Communication Number Qualifier Description: Code identifying the type of communication number Code Name BN Beeper Number CP Cellular Phone EM Electronic Mail EX Telephone Extension FX Facsimile TE Telephone TM Telemail	X	ID	2/2	Used
PER04	364	Communication Number Description: Complete communications number including country or area code when applicable	X	AN	1/80	Used
PER05	365	Communication Number Qualifier Description: Code identifying the type of communication number User: Refer to code list specified in 'PER03' for usage.	X	ID	2/2	Used
PER06	364	Communication Number Description: Complete communications number including country or area code when applicable	X	AN	1/80	Used
PER07	365	Communication Number Qualifier Description: Code identifying the type of communication number User: Refer to code list specified in 'PER03' for usage.	X	ID	2/2	Used
PER08	364	Communication Number Description: Complete communications number including country or area code when applicable	X	AN	1/80	Used

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

Loop LIN

Pos: 010 Repeat: >1
 Optional
 Loop: LIN Elements: N/A

To specify basic item identification data

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	LIN	Item Identification	O	1		Used
015	G53	Maintenance Type	O	1		Used
020	SLN	Subline Item Detail	O	100		Used
030	DTM	Date/Time Reference	O	10		Used
060	CTB	Restrictions/ Conditions	O	25		Used
070	PID	Product/Item Description	O	200		Used
100	PO4	Item Physical Details	O	1		Used
170		Loop CTP	O		100	Used
230		Loop N1	O		>1	Used

LIN Item Identification

Pos: 010	Max: 1
Detail - Optional	
Loop: LIN	Elements: 31

User Option (Usage): Used

To specify basic item identification data

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN01	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Used
LIN02	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) Code Name AI Alternate ISBN B2 Library of Congress Code B7 Publisher Code CH Country of Origin Code CZ Country from which Procured Description: Country from which the item was obtained EN European Article Number (EAN) (2-5-5-1) User: ISBN-13 F6 First Prior Identifier F9 Former Publisher IB International Standard Book Number (ISBN) IM Imprint (Trademark Code of Subsidiary) IS International Standard Serial Number (ISSN) RU Run Number S2 Second Prior Identifier T3 Third Prior Identifier UK U.P.C./EAN Shipping Container Code (1-2-5-5-1) Description: A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit User: UCC/EAN-14 UP U.P.C. Consumer Package Code (1-5-5-1) VN Vendor's (Seller's) Item Number XX Publisher type - e.g., corporate body, trade, university Description: This code is used by the Book Industry but was not approved by X12.	M	ID	2/2	Required
LIN03	234	Product/Service ID Description: Identifying number for a product or service	M	AN	1/48	Required
LIN04	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: See code list specified in 'LIN02' for usage.	X	ID	2/2	Used
LIN05	234	Product/Service ID	X	AN	1/48	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN06	235	Description: Identifying number for a product or service Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: See code list specified in 'LIN02' for usage.				
LIN07	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
LIN08	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: See code list specified in 'LIN02' for usage.				
LIN09	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
LIN10	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: See code list specified in 'LIN02' for usage.				
LIN11	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
LIN12	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: See code list specified in 'LIN02' for usage.				
LIN13	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
LIN14	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: See code list specified in 'LIN02' for usage.				
LIN15	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
LIN16	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: See code list specified in 'LIN02' for usage.				
LIN17	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
LIN18	235	Product/Service ID Qualifier	X	ID	2/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: See code list specified in 'LIN02' for usage.				
LIN19	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN20	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: See code list specified in 'LIN02' for usage.	X	ID	2/2	Used
LIN21	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN22	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: See code list specified in 'LIN02' for usage.	X	ID	2/2	Used
LIN23	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN24	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: See code list specified in 'LIN02' for usage.	X	ID	2/2	Used
LIN25	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN26	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: See code list specified in 'LIN02' for usage.	X	ID	2/2	Used
LIN27	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN28	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: See code list specified in 'LIN02' for usage.	X	ID	2/2	Used
LIN29	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN30	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		User: See code list specified in 'LIN02' for usage.				
LIN31	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used

Syntax Rules:

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.
3. P0809 - If either LIN08 or LIN09 is present, then the other is required.
4. P1011 - If either LIN10 or LIN11 is present, then the other is required.
5. P1213 - If either LIN12 or LIN13 is present, then the other is required.
6. P1415 - If either LIN14 or LIN15 is present, then the other is required.
7. P1617 - If either LIN16 or LIN17 is present, then the other is required.
8. P1819 - If either LIN18 or LIN19 is present, then the other is required.
9. P2021 - If either LIN20 or LIN21 is present, then the other is required.
10. P2223 - If either LIN22 or LIN23 is present, then the other is required.
11. P2425 - If either LIN24 or LIN25 is present, then the other is required.
12. P2627 - If either LIN26 or LIN27 is present, then the other is required.
13. P2829 - If either LIN28 or LIN29 is present, then the other is required.
14. P3031 - If either LIN30 or LIN31 is present, then the other is required.

Semantics:

1. LIN01 is the line item identification

Comments:

1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

G53 Maintenance Type

Pos: 015	Max: 1
Detail - Optional	
Loop: LIN	Elements: 1

User Option (Usage): Used

To identify the specific type of item maintenance

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G5301	875	Maintenance Type Code	M	ID	3/3	Required
		Description: Code identifying the specific type of item maintenance				
		Code Name				
		001		Change		
		002		Delete		
		021		Addition		
		024		Cancellation or Termination		
		050		Original		

SLN Subline Item Detail

Pos: 020	Max: 100
Detail - Optional	
Loop: LIN	Elements: 24

User Option (Usage): Used

To specify product subline detail item data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SLN01	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set User: <i>Recommend use LIN01 Number.</i>	M	AN	1/20	Required
SLN03	662	Relationship Code Description: Code indicating the relationship between entities Code Name I Included	M	ID	1/1	Required
SLN04	380	Quantity Description: Numeric value of quantity	M	R	1/15	Required
SLN05	C001	Composite Unit of Measure Description: To identify a composite unit of measure(See Figures Appendix for examples of use)	M	Comp		Required
	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Code Name 12 Packet BK Book PH Pack (PAK) PK Package ST Set	M	ID	2/2	Used
SLN09	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) Code Name EN European Article Number (EAN) (2-5-5-1) User: <i>ISBN-13</i> IB International Standard Book Number (ISBN) UK U.P.C./EAN Shipping Container Code (1-2-5-5-1) Description: A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit User: <i>UCC/EAN-14</i>	C	ID	2/2	Used
SLN10	234	UP U.P.C. Consumer Package Code (1-5-5-1) Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
SLN11	235	Product/Service ID Qualifier	C	ID	2/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'SLN09' for usage.				
SLN12	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
SLN13	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'SLN09' for usage.	C	ID	2/2	Used
SLN14	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
SLN15	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'SLN09' for usage.	C	ID	2/2	Used
SLN16	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
SLN17	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'SLN09' for usage.	C	ID	2/2	Used
SLN18	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
SLN19	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'SLN09' for usage.	C	ID	2/2	Used
SLN20	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
SLN21	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'SLN09' for usage.	C	ID	2/2	Used
SLN22	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
SLN23	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<i>User: Refer to code list specified in 'SLN09' for usage.</i>				
SLN24	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
SLN25	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
		<i>User: Refer to code list specified in 'SLN09' for usage.</i>				
SLN26	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
SLN27	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
		<i>User: Refer to code list specified in 'SLN09' for usage.</i>				
SLN28	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used

Syntax Rules:

1. C0706 - If SLN07 is present, then SLN06 is required.
2. C0806 - If SLN08 is present, then SLN06 is required.
3. P0910 - If either SLN09 or SLN10 is present, then the other is required.
4. P1112 - If either SLN11 or SLN12 is present, then the other is required.
5. P1314 - If either SLN13 or SLN14 is present, then the other is required.
6. P1516 - If either SLN15 or SLN16 is present, then the other is required.
7. P1718 - If either SLN17 or SLN18 is present, then the other is required.
8. P1920 - If either SLN19 or SLN20 is present, then the other is required.
9. P2122 - If either SLN21 or SLN22 is present, then the other is required.
10. P2324 - If either SLN23 or SLN24 is present, then the other is required.
11. P2526 - If either SLN25 or SLN26 is present, then the other is required.
12. P2728 - If either SLN27 or SLN28 is present, then the other is required.

Semantics:

1. SLN01 is the identifying number for the subline item.
2. SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3. SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4. SLN08 is a code indicating the relationship of the price or amount to the associated segment.

DTM Date/Time Reference

Pos: 030	Max: 10
Detail - Optional	
Loop: LIN	Elements: 2

User Option (Usage): Used

To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time Code Name 007 Effective 015 Promotion Start 018 Available 043 Publication 063 Do Not Deliver After 079 Promised for Shipment 167 Most Recent Revision (or Initial Version) 374 Order End Description: Point after which data can no longer be used (or becomes invalid for use)	M	ID	3/3	Required
DTM02	373	604 Withdrawn Date Description: Date expressed as CCYYMMDD	X	DT	8/8	Required

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

CTB Restrictions/ Conditions

Pos: 060	Max: 25
Detail - Optional	
Loop: LIN	Elements: 4

User Option (Usage): Used

To specify restrictions/conditions (such as shipping, ordering)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTB01	688	Restrictions/Conditions Qualifier Description: Code identifying the type of restriction/condition Code Name NR Nonreturnable OR Ordering	M	ID	2/2	Required
CTB02	352	Description Description: A free-form description to clarify the related data elements and their content User: Returnable Indicators include: Y = Yes, returnable, full copies only N = No, not returnable C = Conditional, contact publisher for requirements and/or authorization. S = Yes, returnable, stripped cover	X	AN	1/80	Used
CTB03	673	Quantity Qualifier Description: Code specifying the type of quantity	X	ID	2/2	Used
CTB04	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used

Syntax Rules:

1. R020406 - At least one of CTB02, CTB04 or CTB06 is required.
2. P0304 - If either CTB03 or CTB04 is present, then the other is required.
3. P0506 - If either CTB05 or CTB06 is present, then the other is required.

PID Product/Item Description

Pos: 070	Max: 200
Detail - Optional	
Loop: LIN	Elements: 4

User Option (Usage): Used

To describe a product or process in coded or free-form format

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	Item Description Type Description: Code indicating the format of a description	M	ID	1/1	Required
		Code Name S Structured (From Industry Code List) X Semi-structured (Code and Text)				
PID03	559	Agency Qualifier Code Description: Code identifying the agency assigning the code values	X	ID	2/2	Used
		Code Name BI Book Industry Systems Advisory Committee				
PID04	751	Product Description Code Description: A code from an industry code list which provides specific data about a product characteristic	X	AN	1/12	Used
		Code Name AD Audience - See Code List in PID05 AR Age Range - See description in PID05 BC Binding Material Color - See Code List in PID05 BS Binding Style - See Code List in PID05 DI Distribution - Description: Geographic distribution and distribution restrictions practiced by the publisher. See Code List in PID05 ED Edition Description - See Code List in PID05 EN Edition Number EQ Edition print quantity planned GR Grade Range - See description in PID05 IM The Information Media and Format Type Code - See Code List in PID05 IT Item type - Description: describes the nature of the text or work. See descriptions in PID05 LA Language - Description: The language in which the books is written is coded using ISO 639:1988, Code for the Representation of Names of Languages LT Library type - See description in PID05 NV Number of Volumes PA Number of Pages PC Page Edging Color - See Code List in PID05 PE Page Edging - See Code List in PID05 SA Status - See Code List in PID05 SB Special Bible Features - See Code List in PID05 SN Series Number for series title TI Title, where "nn" = 01-99 in case the title is greater than 80 bytes. TR Bible Translation - See Code List in PID05 VN Volume Number AQI Acquisition Indicator Description: Former publisher may follow in the 352 element AWC Award Code - Description: The following PID05 identifies the award for which the book was nominated or had won.				

<u>Code</u>	<u>Name</u>
AWD	Award Dispensation - Description: The following PID05 identifies whether the book in question won the award, or was nominated for the award. See code list in PID05.
AWY	Award Year - was won/nominated by the book in question. Styled as follows: YYYY or YYYY-YY. Description: The following PID05 identifies the year(s) the award
FBP	The Format/Binding/Packaging Code - See Code List in PID05
AFnn	Author/Contributor affiliation Description: Affiliation of contributor to an institution or geographic region, where nn = contributor's sequence number (e.g. "A01"). E.g., Professor at Miami University, would follow PID05.
PDnn	Publisher Discount Group Code, Description: where "nn" = 01-99 in case the text is greater than 80 bytes.
SEnn	Series Title, Description: where "nn" = 01-99 in case the series title is greater than 80 bytes.
STnn	Subtitle, Description: where "nn" = 01-99 in case the subtitle is greater than 80 bytes.
SUnn	BISAC Subject Codes, Description: where "nn" = 01-99. See Section 8.0 of the frontmatter for reference
TFnn	Contributor Type Codes, Description: where T=Type, F=Function, and nn=Sequence Number. See Code List PID05.
BDfnn	Birthdate Date in the YYYYMMDD format, Description: where fnn identifies the author/contributor for whom the birth date applies. E.g. PID04 = BDA01, PED05 = 19220312.
DDfnn	Death Date in YYYYMMDD format, Description: where fnn identifies the author/contributor for whom the death date applies. E.g. PID04 = DDA01, PID05 = 19690704.
DOCnn	Description of Content, Description: where "nn" = 01-99 in case the text is greater than 80 bytes.
PRInn	Proprietary Information, Description: where "nn" = 01-99 in case the text is greater than 80 bytes.
PROnn	Promotional Information, Description: where "nn" = 01-99 in case the text is greater than 80 bytes.
TOCnn	Table of Contents, Description: where "nn" = 01-99 in case the table of contents information is greater than 80 bytes. See Code List inPID05
DUIxnn	Display Unit Indicator, Description: where x contains one of the following codes and nnn = 001-999 representing the total number of copies contained in the display unit. The quantities of each title followed by the ISBN of each title in the display unit appear in 352. Values for x: F - Floor Display C - Counter Display P - Prepack
(FUNC)nn	Author/Contributor function, Description: where "FUNC"= code from list below and "nn" = 01-99 when more than 1 contributor is present. Primary Author is coded as "A01". See name styling convention in PID05. 1 = Preface by 2 = Prologue by 3 = Produced by 4 = Read by 5 = Retold by 6 = Revised by 7 = Selected by 8 = Summary by 9 = Supplement by

<u>Code</u>	<u>Name</u>
0	Text by (art/photo books)
@	Other
A	Author
B	Abridged by
C	Adapted by
D	Afterward by
E	Editor
F	Annotations by
G	As told to
H	As told by
I	Illustrator
J	Contribution by
K	Commentaries by
L	Compiled by
M	Created by
N	Concept by
O	Designed by
P	Photographer
Q	Epilogue by
R	Experiments by
S	Footnotes by
T	Translator
U	Foreword by
V	Introduction by
W	Memoir by
X	Author/contributor not applicable
Y	Narrated by
Z	Noted by

PID05 352 **Description** X AN 1/80 Used

Description: A free-form description to clarify the related data elements and their content

Code Name

AD Audience Codes
Description: COL = College
 JUV = Juvenile
 PSP (formerly PRO) = Professional and Scholar
 SCH = Elementary/High School
 TRA = Trade
 YA = Young Adult

AR Age Range is configured as follows
Description: Age range targeted by this product. The first two character positions are for the low end of the range; the second two for the high end (no hyphens in this field). Single-digit ages are preceded by a zero. If a specific age applies, only the first two characters are filled; the second two are zero-filled. If there is only an upper limit, the first two characters are zero-filled.

Examples:
 Age 4-7 = 0407;
 Age 5 & up = 05UP;
 Age 10 = 1000;
 Up to Age 8 = 0008

BC Binding Material Color
Description: BEI = Beige
 BLA = Black
 BLU = Blue
 BLD = Blue, Dark
 BLL = Blue, Light
 BRN = Brown
 BUR = Burgundy

<u>Code</u>	<u>Name</u>
	GRA = Gray
	GRE = Green
	GRD = Green, Dark
	GRL = Green, Light
	IVY = Ivory
	PNK = Pink
	PUR = Purple
	RED = Red
	RDD = Red, Dark
	REL = Red, Light
	TEA = Teal
	WHI = White
	YEL = Yellow
BS	Binding Style
	Description: BEV = Beveled
	CHV = Chevo (Endsheet Material With Protective Plastic Varnish)
	DIE = Die Cut
	FIL = Fillet
	FIN = Finish Cut
	FSH = Flush Cut
	LAM = Laminated
	MOI = Moire
	OVL = Overlap (Approx. 1/8 in.)
	PAD = Padded Cover
	SNP = Snap Flap
	TUR = Turned Edge
	ZIP = Zipper Closing
DI	Distribution Codes
	Description: NON = No Restrictions in the U.S. and Canadian Markets (contact publisher concerning availability elsewhere) (The NON code will be officially discontinued as of 9-1-97. Publishers should phase out its use ASAP)
	OTH = Other (contact publisher for details)
	USA = Distribution in the U.S. only
	CAN = Distribution in Canada only
	UK = Distribution in the United Kingdom only
	OM = Distribution in the Open Market only
	WWD = Distribution Worldwide
	USC = Distribution in the U.S and Canada only
	USK = Distribution in the U.S and U.K. only
	CUK = Distribution in Canada and U.K. only
	UCK = Distribution in the U.S., Canada and U.K. only
	USO = Distribution in the U.S. and Open Market only
	UCO = Distribution in U.S., Canada and Open Market only
	WXU = Distribution Worldwide except U.S.
	WXC = Distribution Worldwide except Canada
	WXK = Distribution Worldwide except United Kingdom
	WXE = Distribution Worldwide except EEC (European Economic Community)
	WXS = Distribution Worldwide except South Africa
	WXN = Distribution Worldwide except U.S. & Canada
	WXO = Distribution Worldwide with some other exceptions, contact publisher for details
	The geographic markets listed above may be interpreted in a number of ways. Contact the publisher to determine whether a book is offered for sale in any given market. Some typical meanings for the various terms are listed below. However, each publisher should be contacted directly to determine their particular interpretation of these terms.
	a. Worldwide typically means that the publisher may distribute the product to all countries where the publisher sells books.
	b. The U.S. typically means The United States, its territories and dependencies, and the Philippines. Sometimes this includes U.S. overseas military bases.

<u>Code</u>	<u>Name</u>
	c. Open market typically means worldwide except the U.S., Canada and British Commonwealth.
	d. The British Commonwealth typically means the U.K. and most (but not all) former British Colonies not including Canada.
ED	Edition Descriptions Description: ABR = Abridged ADP = Adapted ALT = Alternate ANN = Annotated CRT = Critical ENL = Enlarged EXP = Expurgated FAC = Facsimile GEN = General PHT = Photographic REV = Revised TRN = Translated UNX = Unexpurgated VAR = Variorum
GR	Grade Range is configured as follows Description: Grade range targeted by this product. The first two character positions are for the low end of the range; the second two for the high end (no hyphens in this field). Single-digit grades are preceded by a zero. If a specific grade applies, only the first two characters are filled; the second two are zero-filled. If there is only an upper limit, the first two characters are zero-filled. Examples: Grades 3-6 = 0306; Grade 5 & up = 05UP; Pre-school - 1 = 0P01; Kindergarten - 2 = 0K02; Up to Grade 6 = 0006
IM	Information Media Type Description: A = Audio B = Book C = Calendar D = Diskette E = Ebook F = Film J = Journal K = Maps M = Microform N = Books & Things O = Other R = CD-ROM V = DVD/Video
IT	Item Type descriptions Description: abstracts & extracts anthology atlas bibliography, index, discography big type biographical dictionary braille casebook catalog collected articles -- not previously published (npp) collected articles -- previously published (pp) collected works combination of npp and pp articles

<u>Code</u>	<u>Name</u>
	combination of original and translated articles
	commentary
	concordance
	data book/tables
	dictionary, multiple language
	dictionary, single language
	directory
	dissertation
	documentary collection
	encyclopedia
	facsimile
	general book
	grammar
	handbook
	indexing system
	journal monograph
	multi-author text
	musical score
	selected works
	supplementary course monograph
	symposium proceedings
	thesaurus
	translated articles
LT	Library Type descriptions
	Description: academic research
	academic
	community college
	corporate
	federal
	highly specialized collection
	law
	medical
	popular collection
	public
	state
	theological
PC	Page Edging Color
	Description: AMB = Amber
	BEI = Beige
	BLA = Black
	BLU = Blue
	BRN = Brown
	BUR = Burgundy
	GOL = Gold
	GRA = Gray
	GRE = Green
	IVY = Ivory
	PNK = Pink
	PUR = Purple
	RED = Red
	SIL = Silver
	TEA = Teal
	WHI = White
PE	Page Edging
	Description: GIL = Gilded
	PLA = Plain
	SPR = Sprayed
	STA = Stained
SA	Status Codes
	Description: ACT = Active

<u>Code</u>	<u>Name</u>
	NL = No longer Our Publication (this field to be used in conjunction with CURRENT PUBLISHER field in LIN03)
	NOP = Not Our Publication (this field to be used in conjunction with CURRENT PUBLISHER, if known, in LIN03)
	NYP = Not Yet Published
	OD = On Demand
	OP = Out of Print
	OS = Temporarily out of Stock
	OSI = Out of Stock Indefinitely
	PC = Publication Cancelled
	RMyyyymmdd = Remainder with a Y2K status date
SB	Special Bible Features
	Description: ANNO = Annotated
	ARTC = Articles
	CHRT = Charts
	CRON = Cronological Bibles
	CONC = Concordance
	XREF = Cross References
	DREE = Daily Reading Editions
	DEVR = Devotional Readings
	DICT = Dictionary
	FAMY = Family Records Section
	HARM = Gospel Harmonies
	ICON = Icons
	IEND = Illustrated Endsheets
	INOT = Interlinear
	MAPB = Maps in Back
	MAPT = Maps in Test
	MCOL = Multi-Colored
	NDIC = Name Dictionaries
	PARL = Parallel
	PEW = Pew
	PHON = Phonetic
	PPAG = Presentation Page
	PULP = Pulpit
	SIDX = Saints Index
	SNOT = Study Notes
	TIDX = Thumb Indexed
	WMAR = Wide Margins
	WAPO = With Apocrypha
	WMAG = With Magnifier
	WBCP = With the Book of Common Prayer
	WCRD = Words of Christ In Red
TR	Bible Translation
	Description: J21 = 21st Century King James
	ASV = American Standard Bible
	AMP = Amplified Bible
	BBE = Bible In Basic English
	CWT = Clear Word Translation
	CEV = Contemporary English Version
	DOU = Douay Version
	GWD = God's Word
	ICV = International Children's Version
	JER = Jerusalem Bible
	KJV = King James Version
	LB = Living Bible
	MSG = Message
	NA = Not Applicable
	NAB = New American Bible
	NAS = New American Standard

<u>Code</u>	<u>Name</u>
	NASU = New American Standard Update
	NCV = New Century Version
	NEB = New English Bible
	NIRV = New International Readers Version
	NIV = New International Version
	NJR = New Jerusalem Bible
	NKJV = New King James Version
	NLB = New Living Bible
	NLT = New Living Translation
	NRSV = New Revised Standard Version
	NOP = Not Provided
	PHP = Phillips Paraphrase
	REB = Revised English Bible
	RSV = Revised Standard Version
	TEV = Today's English Version
AWC	Award Code
	Description: The following PID05 identifies the award for which the book was nominated or had won.
	ABBY Award see American Booksellers Book of the Year (ABBY) Award
	ABBY Award - Children see American Booksellers Book of the Year (ABBY) Award - Children
	ALA Notable Books see American Library Association Notable Books
	001 = American Book Award
	002 = American Booksellers Book of the Year (ABBY) Award
	003 = American Booksellers Book of the Year (ABBY) Award - Children
	004 = American Library Association Notable Books
	005 = Arthur C. Clarke Award
	006 = Bancroft Prizes
	007 = Bollingen Prize in Poetry
	008 = Booker Prize for Fiction
	009 = Boston Globe-Horn Book Awards
	010 = Bram Stoker Awards
	011 = Burroughs Medal
	Caldecott Medal see Randolph Caldecott Medal
	012 = Carnegie Medal
	013 = Carter G. Woodson Book Awards
	014 = Catholic Book Awards
	015 = Christopher Book Awards
	016 = Coretta Scott King Awards
	017 = Dorothy Canfield Fisher Children's Book Award
	018 = Edgar Allan Poe Awards
	Emil Award see Kurt Maschler (Emil) Award
	019 = Ernest Hemingway Foundation Award
	Faulkner Award for Fiction see PEN/Faulkner Award for Fiction
	020 = Folio Fiction/Poetry Awards
	021 = Francis Parkman Prize
	022 = George G. Stone Center for Children's Book Recognition of Merit Award
	023 = Gold Medallion Book Awards
	024 = Golden Kite Awards
	Greenaway Medal see Kate Greenaway Medal
	025 = Hammett Prize
	Hugo Awards see World Science Fiction Convention Hugo Awards
	IBBY Award see International Board on Books for Young People
	026 = International Board on Books for Young People
	027 = International Reading Association Children's Book Award
	028 = Jane Addams Children's Book Award
	029 = James Beard Awards
	030 = Jefferson Cup Award
	031 = John Newbery Medal

<u>Code</u>	<u>Name</u>
	032 = Kate Greenaway Medal
	033 = Kurt Maschler (Emil) Award
	034 = Lambda Literary Awards
	035 = Lenore Marshall/Nation Magazine Prize for Poetry
	036 = Library Journal Best Books of the Year
	037 = Locus Awards
	038 = Los Angeles Times Book Prizes
	039 = Mencken Award
	040 = Mildred L. Batchelder Award
	041 = National Book Awards
	042 = National Book Critics Circle Awards
	043 = National Jewish Book Awards
	Nebula Awards see Science Fiction Writers of America Nebula Awards
	044 = New York Academy of Sciences, Children's Book Award
	045 = New York Times Editors' Choice
	046 = New York Times Notable Books of the Year
	Newbery Medal see John Newbery Medal
	047 = Parents' Choice Award for Illustration in Children's Books
	048 = PEN/Faulkner Award for Fiction
	049 = Phi Beta Kappa Award in Science
	050 = Prix Goncourt
	051 = Publishers Weekly Best Books of the Year
	052 = Pulitzer Prizes
	053 = Randolph Caldecott Medal
	054 = Romance Writers of America Awards
	055 = School Library Journal Best Books of the Year
	056 = Science Fiction Writers of America Nebula Awards
	057 = Spur Awards
	058 = Western Heritage Awards (Wrangler Award)
	Western Writers of America Spur Awards see Spur Awards
	059 = Whitbread Literary Awards
	060 = William Carlos Williams Award
	061 = World Science Fiction Convention Hugo Awards
	062 = Writers Guild of America West Awards
	999 = OTHER [specify in PID05]
AWD	Award Dispensation
	Description: N = Nominated
	W = Winner
FBP	Format/Binding/Packaging Codes
	Description: The following codes should be used only when the media type (IM) of the product = AUDIO (A):
	AA = Analog Audio Cassette
	CD = Compact Disk
	DA = Digital Audio Cassette
	OO = Other
	TA = Tape, Reel
	The following codes should be used only when the media type (IM) of the product = Book (B), or Journal (J):
	BA = Cloth/Bath Books
	BD = Board Books
	BL = Bonded Leather
	BX = Boxed Set, Slip Cased, or Casebound
	CB = Coil bound
	CT = Cloth text
	DE = Denim
	EL = Embossed Leather
	FB = Fabric
	IL = Imitation Leather
	KI = Kivar (or comparable)

<u>Code</u>	<u>Name</u>
	LB = Library binding
	LE = Leather
	LL = Loose leaf
	MM = Mass market paperbound
	OO = Other
	OT = Otabind
	PF = Perfect
	PO = Paper Overboard
	PT = Paper text
	RB = Ringbound
	RL = Reinforced Library Binding
	SC = Slipcased
	SP = Spiral
	SS = Smyth Sewn
	TC = Trade cloth
	TP = Trade paper
	VB = Vinyl-bound
	WC = Wire Coil/Wire Comb
	The following codes should be used as Supplementary Format/Binding/Packaging Codes when they apply to B, BOOK, or J, JOURNAL:
	BI = Big Books
	CO = Coloring Books
	FB = Flap Books
	FU = Fuzzy Books
	MI = Miniature Books
	MO = Movable Books
	NS = Non-Standard Trim Size
	PI = Picture Books
	PO = Pop-Up books
	SB = Scented Books
	SO = Sound Storybooks
	ST = Sticker Books
	The following codes should be used only when the media type (IM) of the product = Calendar (C):
	DK = Desk
	MN = Mini
	OO = Other
	PD = Page a Day
	WL = Wall
	The following codes should be used only when the media type (IM) of the product = Diskette (D):
	A2 = Apple II disk
	H3 = 1.44M, 3.5 disk, DOS
	H5 = 1.2M, 5.25 disk, DOS
	L3 = 720K, 3.5 disk, DOS
	L5 = 360K, 5.25 disk, DOS
	MH = 1.44M, Mac
	ML = 800K, Mac
	OO = Other
	The following codes should be used only when the media type (IM) of the product = Ebook (E):
	DF = Portable Document Format (PDF)
	EV = EveryBook
	GL = Glassbook
	HT = HTML
	LI = Librius
	MD = Microsoft Reader Desktop
	ME = Millennium
	MP = Microsoft Reader Pocket PC
	M3 = MP3

<u>Code</u>	<u>Name</u>
	OE = Open EBook
	PP = Palm Pilot
	RK = RocketBook
	RT = Rich Text Format (RTF)
	SF = SoftBook
	SL = SoftLock
	TX = ASCII Text
	WR = MS Word
	WV = Wave file
	The following codes should be used only when the media type (IM) of the product = Film (F):
	FM = Filmstrip
	OO = Other
	SL = Slides
	TR = Transparencies
	The following codes should be used only when the media type (IM) of the product = Maps (K):
	FF = Folded
	GG = Globe
	NF = Not Folded, Rolled
	OO = Other
	The following codes should be used only when the media type (IM) of the product = Microform (M):
	FI = Fiche, microfiche
	MF = Microfilm
	OO = Other
	The following codes should be used only when the media type (IM) of the product = Books & Things (N):
	DL = Book and Doll
	MU = Book and Music
	OO = Book and Other
	PL = Book and Plush Toy
	TY = Book and Toy
	The following codes should be used only when the media type (IM) of the product = Other (O):
	BG = Board Games
	CG = Cartridge for Computer Games
	MA = multimedia
	OO = Other
	The following codes should be used only when the media type (IM) of the product = CD-ROM (R):
	DO = DOS
	MC = MAC
	MX = Multi
	OO = Other
	WX = Multiple Windows Platforms
	W3 = Windows 3.x
	W9 = Windows 95, 97, NT
	The following codes should be used only when the media type (IM) of the product = DVD/Video (V):
	BM = Betamax
	DV = DVD
	OO = Other
	VD = Video, VHS format
	VK = Video Disk
TOC	Table of Contents Codes
	Description: a = Pre-chapter Heads
	b = Group Headings (Part 1, for instance)
	c = Chapter Head (Chapter 1, 2, etc...)
	d = Chapter Sub-head (Primary division within the chapter)

<u>Code</u>	<u>Name</u>
	e = Chapter Sub-sub-head (Secondary division within the chapter)
	nf = Name Function. The name of the contributor(s) for the portion of the work in question, followed by the function that person serves. Styling and coding should be as in the regular contributor/function elements.
	q = Non-Content Material. This should be excluded from text searches when trying to determine the number of "hits". Such listings may include lists of maps, graphs, or illustrations. These lists usually follow indices, appendices, and other post-chapter listings.
	x = Page Number (Roman or numeric only - no "page" label. No qualifying numbers.)
	y = Number of Pages Contained in the Referenced Portion. As with "x", no qualifying numbers are needed.
	z = Post-chapter heads.
TFnn	Author/Contributor Type Codes Description: P = Personal (presently this is the assumed type) C = Corporation M = Meeting
(FUNC)	Author/Contributor Function Codes Description: Author/Contributor Name Convention LAST NAME blank () one space only FIRST NAME blank () one space only MIDDLE NAME (or INITIAL) Example: LAST FIRST M/ or LAST FIRST MIDDLE/ To denote title, degree etc. use comma (,) (no spaces) after last name. Example: LAST, Phd FIRST M For authors who have two or more elements in their first/last names, the ampersand (&) should be used between the two elements to show that they should be included as one name. Example: Van Buren Walker Walker Van&Buren Example: Abigail Van Buren Van&Buren Abigail

Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 is required.

Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

PO4 Item Physical Details

Pos: 100	Max: 1
Detail - Optional	
Loop: LIN	Elements: 11

User Option (Usage): Used

To specify the physical qualities, packaging, weights, and dimensions relating to the item

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO401	356	Pack Description: The number of inner containers, or number of eaches if there are no inner containers, per outer container	O	NO	1/6	Used
PO403	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X	ID	2/2	Used
		Code Name KG Kilogram LB Pound				
PO404	103	Packaging Code Description: Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required	X	AN	3/5	Used
		User: CTN25 - Carton, corrugated or solid CTN71 - Carton, not otherwise specified ENV71 - Envelope not otherwise specified				
		Code Name 25 Corrugated or Solid 71 Not Otherwise Specified CTN Carton				
		Description: CTN25 - Carton, corrugated or solid				
PO405	187	ENV Envelope Weight Qualifier Description: Code defining the type of weight	O	ID	1/2	Used
		Code Name G Gross Weight				
PO406	384	Gross Weight per Pack Description: Numeric value of gross weight per pack	X	R	1/9	Used
		User: For Book				
PO407	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X	ID	2/2	Used
		User: For Book				
		Code Name KG Kilogram LB Pound				
PO410	82	Length Description: Largest horizontal dimension of an object measured when the object is in the upright position	X	R	1/8	Used
PO411	189	Width Description: Shorter measurement of the	X	R	1/8	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO412	65	two horizontal dimensions measured with the object in the upright position Height Description: Vertical dimension of an object measured when the object is in the upright position	X	R	1/8	Used
PO413	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Code Name CM Centimeter IN Inch	X	ID	2/2	Used
PO414	810	Inner Pack Description: The number of eaches per inner container	O	NO	1/6	Used

Syntax Rules:

1. P0203 - If either PO402 or PO403 is present, then the other is required.
2. C0506 - If PO405 is present, then PO406 is required.
3. P0607 - If either PO406 or PO407 is present, then the other is required.
4. P0809 - If either PO408 or PO409 is present, then the other is required.
5. C1013 - If PO410 is present, then PO413 is required.
6. C1113 - If PO411 is present, then PO413 is required.
7. C1213 - If PO412 is present, then PO413 is required.
8. L13101112 - If PO413 is present, then at least one of PO410, PO411 or PO412 is required.
9. C1716 - If PO417 is present, then PO416 is required.
10. C1804 - If PO418 is present, then PO404 is required.

Semantics:

1. PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
2. PO416 is the package identifier or the beginning package identifier in a range of identifiers.
3. PO417 is the ending package identifier in a range of identifiers.
4. PO418 is the number of packages in this layer.

Comments:

1. PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
2. PO413 defines the unit of measure for PO410, PO411, and PO412.

Loop CTP

Pos: 170 Repeat: 100
 Optional
 Loop: CTP Elements: N/A

To specify pricing information

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
170	CTP	Pricing Information	O	1		Used
175	G40	Bracket Price	O	99		Used
180	DTM	Date/Time Reference	O	10		Used
200	CUR	Currency	O	5		Used
225	REF	Reference Identification	O	>1		Used
227	G43	Promotion/Price List Area	O	9999		Used

CTP Pricing Information

Pos: 170	Max: 1
Detail - Optional	
Loop: CTP	Elements: 7

User Option (Usage): Used

To specify pricing information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTP01	687	Class of Trade Code Description: Code indicating class of trade	O	ID	2/2	Used
		Code Name				
		DE Dealer				
		DI Distributor				
		FS Food Service				
		Description: Institutions, restaurants, schools				
		GM General Merchandise				
		Description: Discount/Department stores, mass merchandisers, variety stores, general merchandisers				
		GV Government				
		JB Jobber				
		PF Professional				
		RS Resale				
		TR General Trade				
		WH Wholesaler				
		WS User				
CTP02	236	Price Identifier Code Description: Code identifying pricing specification	X	ID	3/3	Used
		Code Name				
		ACT Actual				
		Description: The final negotiated contract price				
		ALT Alternate Price				
		CAT Catalog Price				
		DIS Distributor's Price				
		EST Estimated Price				
		GOV Government Price				
		INV Invoice Billing Price				
		MSR Manufacturer's Suggested Retail				
		NET Net Item Price				
		PRP Promotional price				
		SLP Suggested List Price				
		SPC Special Price				
CTP03	212	Unit Price Description: Price per unit of product, service, commodity, etc.	X	R	1/17	Used
CTP04	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
CTP05	C001	Composite Unit of Measure Description: To identify a composite unit of measure(See Figures Appendix for examples of use)	X	Comp		Used
	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M	ID	2/2	Required

		Code	Name				
		CT	Carton				
		ST	Set				
		UN	Unit				
CTP06	648	Price Multiplier Qualifier		O	ID	3/3	Used
		Description: Code indicating the type of price multiplier					
		User: <i>The multiplier is used to compute the price after the discount is applied (e.g. A multiplier of '.8' reflects a 20% discount.)</i>					
		Code	Name				
		DIS	Discount Multiplier				
CTP07	649	Multiplier		X	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value					
		User: <i>The value is a REAL number. The value is represented in decimal form. A discount of 20% would have a value in this element of .8</i>					

Syntax Rules:

1. P0405 - If either CTP04 or CTP05 is present, then the other is required.
2. C0607 - If CTP06 is present, then CTP07 is required.
3. C0902 - If CTP09 is present, then CTP02 is required.
4. C1002 - If CTP10 is present, then CTP02 is required.
5. C1103 - If CTP11 is present, then CTP03 is required.

Semantics:

1. CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
2. CTP08 is the rebate amount.

Comments:

1. See Figures Appendix for an example detailing the use of CTP03 and CTP04.
2. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

G40 Bracket Price

Pos: 175	Max: 99
Detail - Optional	
Loop: CTP	Elements: 3

User Option (Usage): Used

To provide a vendor's pricing structure associated with a specific line item

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G4002	418	Item List Cost - New Description: Unit price within the appropriate price bracket for a line item on or after an effective price date User: See Element G4008 for 'Cost/Price' definition	M	R	1/9	Required
G4003	419	Item List Cost - Old Description: Unit price within the appropriate price bracket for a line item before an effective date User: See Element G4008 for 'Cost/Price' definition	O	R	1/9	Used
G4008	236	Price Identifier Code Description: Code identifying pricing specification Code Name ACT Actual Description: The final negotiated contract price ALT Alternate Price CAT Catalog Price DIS Distributor's Price EST Estimated Price GOV Government Price INV Invoice Billing Price MSR Manufacturer's Suggested Retail N31 No Charge NET Net Item Price PRP Promotional price RTL Retail SLP Suggested List Price SPC Special Price	O	ID	3/3	Used

Semantics:

1. G4009 is the shipping unit to billing unit conversion factor.

Comments:

1. G4007 is the invoicing unit of measure for the costs specified in G4002 and G4003.

DTM Date/Time Reference

Pos: 180	Max: 10
Detail - Optional	
Loop: CTP	Elements: 2

User Option (Usage): Used

To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	M	ID	3/3	Required
		Code Name 007 Effective				
DTM02	373	Date Description: Date expressed as CCYYMMDD	X	DT	8/8	Required

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

CUR Currency

Pos: 200	Max: 5
Detail - Optional	
Loop: CTP	Elements: 2

User Option (Usage): Used

To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CUR01	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/3	Required
		Code Name SE Selling Party				
CUR02	100	Currency Code Description: Code (Standard ISO) for country in whose currency the charges are specified	M	ID	3/3	Required

Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. L101112 - If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. C1110 - If CUR11 is present, then CUR10 is required.
5. C1210 - If CUR12 is present, then CUR10 is required.
6. L131415 - If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. C1413 - If CUR14 is present, then CUR13 is required.
8. C1513 - If CUR15 is present, then CUR13 is required.
9. L161718 - If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. C1716 - If CUR17 is present, then CUR16 is required.
11. C1816 - If CUR18 is present, then CUR16 is required.
12. L192021 - If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. C2019 - If CUR20 is present, then CUR19 is required.
14. C2119 - If CUR21 is present, then CUR19 is required.

Comments:

1. See Figures Appendix for examples detailing the use of the CUR segment.

REF Reference Identification

Pos: 225	Max: >1
Detail - Optional	
Loop: CTP	Elements: 2

User Option (Usage): Used

To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification	M	ID	2/3	Required
		Code Name 11 Account Number				
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier User: If REF01 is '11' then the value in this element must be the SAN.	X	AN	1/30	Used

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

G43 Promotion/Price List Area

Pos: 227	Max: 9999
Detail - Optional	
Loop: CTP	Elements: 3

User Option (Usage): Used

To specify the geographic area in which a promotion or price is in effect

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G4301	771	Market Area Code Qualifier Description: Code qualifying the identifier represented in "Market Area Code Identifier (767)" Code Name 001 Pricing Market 006 All Stores Description: All retail stores within a market area 009 State Abbreviation Code 010 Zip Code 011 Zip Code Beginning Value 012 Zip Code Ending Value	M	ID	1/3	Required
G4302	767	Market Area Code Identifier Description: A unique identification of a market area User: Code list will be developed by the Title/Status Committee.	O	AN	1/12	Used
G4304	687	Class of Trade Code Description: Code indicating class of trade Code Name AG Agent DI Distributor IN Institutional TR General Trade	O	ID	2/2	Used

Semantics:

1. If G4301 is "001", "002", or "004", then G4302 is required. If G4301 is "003", then G4303 is required.

Loop N1

Pos: 230	Repeat: >1
Optional	
Loop: N1	Elements: N/A

To identify a party by type of organization, name, and code

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
230	N1	Name	O	1		Used
240	N2	Additional Name Information	O	2		Not Rec'd
250	N3	Address Information	O	2		Not Rec'd
260	N4	Geographic Location	O	1		Not Rec'd

User:

The 'N1' segment should be used to specify the name and SAN of the source (agent / distributor / wholesaler). If the SAN is not available then segments 'N2', 'N3', and 'N4' should be used to specify the source's address.

N1 Name

Pos: 230	Max: 1
Detail - Optional	
Loop: N1	Elements: 6

User Option (Usage): Used

To identify a party by type of organization, name, and code

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual Code Name AG Agent/Agency DS Distributor WL Wholesaler	M	ID	2/3	Required
N102	93	Name Description: Free-form name	X	AN	1/60	Used
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) Code Name 15 Standard Address Number (SAN)	X	ID	1/2	Used
N104	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
N105	706	Entity Relationship Code Description: Code describing entity relationship Code Name 17 Product Line	O	ID	2/2	Used
N106	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual Code Name M8 Educational Institution Q3 Retail Account	O	ID	2/3	Used

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

User:

The 'N1' segment should be used to specify the name and SAN of the source (agent / distributor / wholesaler). If the SAN is not available then segments 'N2', 'N3', and 'N4' should be used to specify the source's address.

N2 Additional Name Information

Pos: 240	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

User Option (Usage): Not Rec'd

To specify additional names or those longer than 35 characters in length

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N201	93	Name Description: Free-form name	M	AN	1/60	Required
N202	93	Name Description: Free-form name	O	AN	1/60	Used

N3 Address Information

Pos: 250	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

User Option (Usage): Not Rec'd

To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information Description: Address information	M	AN	1/55	Required
N302	166	Address Information Description: Address information	O	AN	1/55	Used

N4 Geographic Location

Pos: 260	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

User Option (Usage): Not Rec'd

To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name Description: Free-form text for city name	O	AN	2/30	Used
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used
N404	26	Country Code Description: Code identifying the country	O	ID	2/3	Used

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

To transmit a hash total for a specific element in the transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items Description: Total number of line items in the transaction set	M	NO	1/6	Required
CTT02	347	Hash Total Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	O	R	1/10	Used

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

SE Transaction Set Trailer

Pos: 020	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Used

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments	M	NO	1/10	Required
SE02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Required

Comments:

1. SE is the last segment of each transaction set.

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